ENRICO CASELLA

PH.D. CANDIDATE

CONTACT

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PROFILE

PhD candidate conducting research on smart grids and power conservation, providing CS expertise in cross-field projects and supervising undergrad research.

SERVICES

- Paper reviews for: SMARTCOMP, WoWMoM, GLOBECOM, WiMob, LCN, ICC, IWQoS, DCOSS, COMSNETS
- Graduate Student Congress member - Mental Health Committee
- Representative for Graduate Student Association of Computer Science

AWARDS

- Computational Commonwealth Summit 2020 winner

EXPERIENCE

VISITING RESEARCH SCHOLAR
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY | 2017

- Studied literature on structural machine learning
- Conducted research on human activity recognition

TEACHING ASSISTANT FOR CS215
UNIVERSITY OF KENTUCKY | FALL 2018

- Leading lab classes
- Grading

TEACHING ASSISTANT FOR CS371
UNIVERSITY OF KENTUCKY | SPRING 2019

- Final project development
- Lectures for hands-on project

RESEARCH ASSISTANT
UNIVERSITY OF KENTUCKY | SUMMER 2019 - PRESENT

- Research on smart grids and power conservation
- Research on animal care prevention
- Research on computation offloading
- Tutoring undergrad research

EDUCATION

BACHELOR OF SCIENCE, COMPUTER AND TELECOMMUNICATION ENGINEERING
UNIVERSITY OF PALERMO | 2012 - 2015

MASTER OF SCIENCE, COMPUTER ENGINEERING
UNIVERSITY OF PALERMO | 2015 - 2018

DOCTORATE, COMPUTER SCIENCE
UNIVERSITY OF KENTUCKY | 2018 - PRESENT

PUBLICATIONS

PERSONAL AND UBIQUITOUS COMPUTING JOURNAL
- Hierarchical Syntactic Models for Human Activity Recognition through Mobility Traces

SMARTCOMP CONFERENCE
- Smartwatch application for Horse Gaits Activity Recognition.

PERVASIVE AND MOBILE COMPUTING JOURNAL
- A framework for the recognition of horse gaits through wearable devices

PERCOM CONFERENCE (under submission)
- HVAC Power Conservation through Reverse Auctions and Machine Learning

FRONTIER JOURNAL (under submission)
- Will you be my neighbor? Using a K-closest neighbors algorithm and precision livestock farming technology to indicate Bovine Respiratory Disease status in preweaned dairy calves